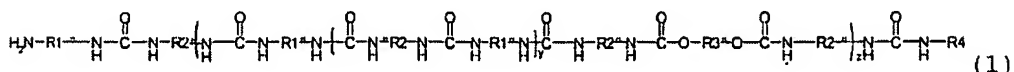


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A linear block polymer according to Formula (1)



wherein

R1 is derived from a diamine;

R2 is derived from an aromatic diisocyanate;

R3 is derived from an esterdiol;

R4 is derived from dibutyl amine or ethanolamine;

$0 < y < 4$ and $z > 8$;

said linear block polymer is made from a prepolymer produced by a method consisting essentially of adding said esterdiol at a slow rate to said aromatic diisocyanate at a temperature of 50°C to 60°C,

said rate is sufficiently slow so that said prepolymer provides $0 < y < 4$ in said linear block polymer; and

said esterdiol and said aromatic diisocyanate are added in such amounts that the molar ratio between R2 and R3 is larger than 2:1, which provides a short prepolymer and a narrow distribution of hard and soft block lengths.

2. (previously presented) The linear block polymer according to claim 1, wherein R1 is derived from ethylene diamine, 1,3-diamino propane, 1,2-diamino propane, 1,4-diamino butane, 1,5-diamino pentane, or 1,6-diamino hexane.

3. (previously presented) The linear block polymer according to claim 1, wherein R3 is derived from polycaprolactone diol, polydiethylene glycol adipate or poly(pentane diolpimelate).

4. (previously presented) The linear block polymer according to claim 1, wherein R2 is derived from 4,4'diphenyl methane diisocyanate, naphthalene diisocyanate, or toluene diisocyanate.

5. (previously presented) A fibre manufactured from a linear block polymer according to claim 1.

6. (previously presented) The fibre according to claim 5, wherein said fibre exhibits a toughness of at least 0.1 N/Tex such that a band of more than one of said fibre has a breaking force of 1200 N.

7. (previously presented) The fibre according to claim 6, wherein said fibre exhibits a toughness above 0.2 N/Tex such

that a band of more than one of said fibre has a breaking force of 1200 N.

8. (previously presented) The fibre according to claim 5, wherein said fibre exhibits an elongation at break that is below 100 %.

9. (previously presented) The fibre according to claim 5, wherein said fibre exhibits an elongation at break that is 43% or below.

10. (previously presented) A film manufactured from a linear block polymer according to claim 1.

11. (previously presented) A porous polymeric material manufactured from a linear block polymer according to claim 1.

12. (previously presented) An implant for the implantation into the human or animal body, comprising a linear block polymer according to claim 1.

13. (previously presented) The linear block polymer according to claim 2, wherein R3 is derived from polycaprolactone diol, polydiethylene glycol adipate or poly(pentane diolpimelate).

14. (previously presented) The linear block polymer according to claim 2, wherein R2 is derived from 4,4'diphenyl methane diisocyanate, naphthalene diisocyanate, or toluene diisocyanate.

15. (previously presented) The linear block polymer according to claim 3, wherein R2 is derived from 4,4'diphenyl methane diisocyanate, naphthalene diisocyanate, or toluene diisocyanate.

16. (previously presented) A fibre manufactured from a linear block polymer according to claim 2.

17. (previously presented) A fibre manufactured from a linear block polymer according to claim 3.

18. (previously presented) A fibre manufactured from a linear block polymer according to claim 4.

19. (previously presented) The fibre according to claim 6 wherein said fibre exhibits an elongation at break that is below 100 %.

20. (previously presented) The fibre according to claim 7 wherein said fibre exhibits an elongation at break that is below 100 %.